

PULSATIONS AND OVER-SIZED M DWARFS

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We have computed models which predict that M dwarf radii can be inflated by the effects of magnetic fields on convection and which also predict pulsations on the main sequence, particularly during He 3 burning. We request rapid cadence observations of a select sample of M dwarfs with spots with Kepler to observe these pulsations. The results will provide new constraints on the fundamental properties of low-mass stars.